

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): An apparatus for curing a coating on an object, ~~in particular a vehicle body,~~ said coating consisting of a material which cures under electromagnetic radiation, the apparatus including in particular of a UV-curing paint or a heat-curing paint, having

- a) at least one radiation emitter producing electromagnetic radiation;
- b) a conveyor system, which conveys the object into the vicinity of the radiation emitter and away again therefrom;

wherein characterised in that the conveyor system (3; 103) comprising [[es]]:

- e) at least one transport carriage (18; 118), which may be displaced translationally on at least one running surface (15, 16; 115, 116) and comprising:
 - ea) a drive motor (22; 122) for the translational movement;
 - eb) a support frame (26; 126), to which the object (4; 104) may be attached and which may be pivoted or swivelled independently of the translational movement about a pivot or swivel axis extending perpendicularly to the direction of the translational movement.

2. (currently amended): An apparatus according to claim 1, ~~wherein characterised in that~~ the transport carriage (18; 118) comprises at least one arm (24; 124), to the outer end of which the support frame (26; 126) is attached in pivotable or swivellable manner and which may be pivoted or swivelled at its opposing, inner end about a second pivot or swivel axis (23; 123).

3. (currently amended): An apparatus according to claim 1, ~~wherein or claim 2,~~ characterised in that the transport carriage (18; 118) may be moved on two parallel running surfaces (15, 16; 115, 116).

4. (currently amended): An apparatus according to ~~any one of claim~~ claim ~~[[s]]~~ 1, further comprising to 3, characterised in that it comprises a container (2; 102) open towards the

conveying plane of the conveyor system (3; 103), it being possible to introduce the object (4; 104) into the interior of said container by pivoting or swivelling the support frame (26; 126) and to expose said interior to electromagnetic radiation from at least one radiation emitter (12; 112).

5. (currently amended): An apparatus according to claim 4, wherein~~characterised in that~~ at least one radiation emitter [(12)] is installed in a wall (8 to 11) or the floor [(5)] of the container [(2)].

6. (currently amended): An apparatus according to claim 5, wherein~~characterised in that~~ at least one radiation emitter [(12)] is arranged in the opposing side walls [(8, 9)] extending parallel to the translational movement of the objects [(4)] and at least in one of the two end walls [(10, 11)] extending perpendicularly to the translational movement of the objects [(4)] or in the floor [(5)] of the container [(2)].

7. (currently amended): An apparatus according to claim 5, wherein~~characterised in that~~ a plurality of radiation emitters [(12)] is arranged on all the walls [(8 to 11)] and in the floor [(5)] of the container [(2)].

8. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a plurality of radiation emitters [(12)] are provided in a U-shaped arrangement with two substantially vertical legs and a substantially horizontal base.

9. (currently amended): An apparatus according to claim 8, wherein~~characterised in that~~ the approximately vertical legs of the U-shaped arrangement of radiation emitters [(12)] are adapted to the profile of the lateral contour of the objects [(104)].

10. (currently amended): An apparatus according to claim 8, wherein~~characterised in that~~ the approximately vertical legs of the U-shaped arrangement of radiation emitters [(12)] are segmented and the segments are adjustable relative to one another.

11. (currently amended): An apparatus according to ~~any one of claim~~[(s)] 8, wherein~~to 10, characterised in that~~ the base of the U-shaped arrangement of radiation emitters [(12)] is adapted to the profile of the contour of the objects[(104)].

12. (currently amended): An apparatus according to ~~any one of claim~~[[s]] 8, wherein to 10, ~~characterised in that~~ the base of the U-shaped arrangement of radiation emitters (112) is segmented and the segments are adjustable relative to one another.
13. (currently amended): An apparatus according to ~~any one of claim~~[[s]] 4, wherein to 12, ~~characterised in that~~ a protective gas may be fed to the interior of the container (2; 102).
14. (currently amended): An apparatus according to claim 13, wherein~~characterised in that~~ the protective gas is heavier than air, ~~in particular it may be carbon dioxide~~, and the container ~~[(2; 102)]~~ is open at the top.
15. (currently amended): An apparatus according to claim 13, wherein~~characterised in that~~ the protective gas is lighter than air, ~~in particular it may be helium~~, and in that the container ~~[(2; 102)]~~ is constructed as a hood open at the bottom.
16. (currently amended): An apparatus according to ~~any one of claim~~[[s]] 13, wherein to 15, ~~characterised in that~~ the protective gas is at the same time a cooling gas for the radiation emitters ~~[(12; 112)]~~.
17. (currently amended): An apparatus according to ~~any one of claim~~[[s]] 13, wherein to 16, ~~characterised in that~~ a device is provided which directs the protective gas towards the surface zone of the object ~~[(4; 104)]~~ exposed to the radiation emitter ~~[(12; 112)]~~.
18. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a device is provided which blasts the object with a directed protective gas stream prior to entry into the radiation field of the radiation emitter or the protective gas atmosphere.
19. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a mobile reflector is associated with at least one radiation emitter ~~[(12; 112)]~~ on the side remote from the object ~~[(4; 104)]~~.
20. (currently amended): An apparatus according to ~~any one of claim~~[[s]] 4, wherein to 19, ~~characterised in that~~ the container ~~[(2; 102)]~~ is lined with a reflective layer.

21. (currently amended): An apparatus according to claim 20, ~~wherein characterised in that~~ the reflective layer consists of aluminium foil.
22. (currently amended): An apparatus according to claim 21, ~~wherein characterised in that~~ the aluminium foil comprises a plurality of uneven areas, for example is creased.
23. (currently amended): An apparatus according to claim 1, further comprising~~any one of the preceding claims, characterised in that it comprises~~ a booth housing ~~[(27; 127)]~~, which prevents uncontrolled escape of gases and electromagnetic radiation.
24. (currently amended): An apparatus according to claim 23, ~~wherein characterised in that~~ an airlock ~~[(50, 70)]~~ is provided for the transport carriage ~~[(18)]~~ at each of the in- and outlet of the booth housing ~~[(27)]~~.
25. (currently amended): An apparatus according to claim 23, ~~wherein or claim 24,~~ ~~characterised in that~~ a device ~~[(90)]~~ is provided for removing the oxygen from the atmosphere inside the booth housing ~~[(27)]~~.
26. (currently amended): An apparatus according to claim 25, ~~wherein characterised in that~~ the device for removing the oxygen comprises a catalyst for catalytic binding of the oxygen.
27. (currently amended): An apparatus according to claim 25, ~~wherein or claim 26,~~ ~~characterised in that~~ the device for removing the oxygen comprises a filter for absorbing oxygen.
28. (currently amended): An apparatus according to ~~any one of claim~~~~[(s)]~~ 25, ~~wherein to 27,~~ ~~characterised in that~~ the device for removing the oxygen comprises a filter for adsorbing oxygen.
29. (currently amended): An apparatus according to claim 1, further comprising~~any one of the preceding claims, characterised in that it comprises~~ a preheating zone ~~[(40)]~~ for removing solvent from the coating material.
30. (currently amended): An apparatus according to ~~any one of claim~~~~[(s)]~~ 1, further comprising to 28, ~~characterised in that it comprises~~ a preheating zone ~~[(40)]~~ for gelling pulverulent coating material.

31. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a measuring station ~~[(55)]~~ is mounted upstream of the at least one radiation emitter ~~[(12)]~~ in the conveying direction, said measuring station being used to detect the three-dimensional shape data of the object ~~[(4)]~~.
32. (currently amended): An apparatus according to claim 31, wherein~~characterised in that~~ the measuring station ~~[(55)]~~ comprises at least one optical scanner, by which the object ~~[(4)]~~ may be scanned at least in one spatial direction.
33. (currently amended): An apparatus according to claim 32, wherein~~characterised in that~~ the optical scanner comprises an infrared light source.
34. (currently amended): An apparatus according to claim 31, wherein~~characterised in that~~ the measuring station ~~[(55)]~~ comprises a video camera and a device for digital imaging.
35. (currently amended): An apparatus according to ~~any one of claim[s] 31, wherein to 34,~~ characterised in that the data obtained from the measuring station ~~[(55)]~~ may be stored in a control device ~~[(56)]~~, which reads these data out again during subsequent movement of the object ~~[(4)]~~ past the at least one radiation emitter ~~[(12)]~~ and uses them to control the movement of the object ~~[(4)]~~.
36. (currently amended): An apparatus according to ~~any one of claim[s] 31, wherein to 34,~~ characterised in that the measuring station is arranged in the immediate vicinity of the at least one radiation emitter and a control device is provided, which uses the data obtained from the measuring station without a time delay directly to control the movement of the object.
37. (currently amended): An apparatus according to claim 36, wherein~~characterised in that~~ the measuring station comprises at least one light barrier.
38. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a control device is provided in which the three-dimensional shape data associated with a specific type of object may be stored and retrieved therefrom if required.

39. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ a plurality of radiation emitters are provided in irregular arrangement.

40. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ the electromagnetic radiation is UV light.

41. (currently amended): An apparatus according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ the electromagnetic radiation is IR light.